Operation Guide

2.4GHz Wireless Camera with Detecting Recorder

Model No.: 812BF

Version No.: 1.0

Please read this user Manual carefully before using this product!

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Overview

The wireless SDR harddisk recorder is a general harddisk recorder launched for civil security market. Designed with such new technologies as wireless transmission, motion detection, and SD card recording. It is one of the most advanced harddisk recording systems on the market.Provided with such features as high integration, complete auxiliary products, ease of use, high security, and competitive price. It is an ideal choice for families, department stores, warehouses, parking lots, office building, and other places where the monitoring is required.In general, the security monitoring system is expensive and has to be installed and operated by trained personnel. However, the wireless SDR harddisk recorder is easy to install and use, can be used once the power is connected, featuring a set of true DIY security monitoring equipment. It is the most suitable security equipment for civil use.

Features

- Wireless transmission to enhance monitoring security;
- Ease to install and use. With high integration, complete auxiliary products;
- Motion detection. Adopting highly inteligent technology, the recorder can automatically detects image change and start recording, which prevents invalid recording;
- Harddisk recording with SD card. Supporting both AVI recording and JPEG shooting to different working environments application;
- 4 channels optional to avoid short-distance;
- The receiver has a video input for wired camera.

Packing List

① 2.4GHz Wireless Camera x 1

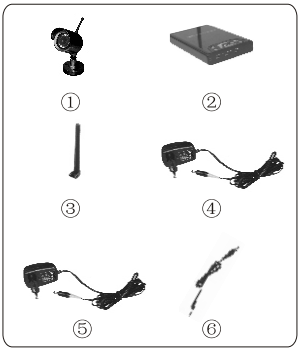
② 2.4GHz Wireless Receiver x 1

③ Antenna for Receiver x 1

④ Adapter for Receiver x 1

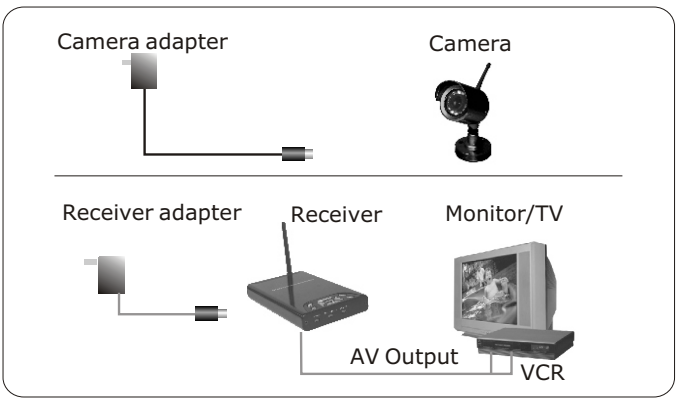
⑤ Adapter for Camera x 1

⑥ Video Cable x 2



* 812BF means GP-812T + GB7301

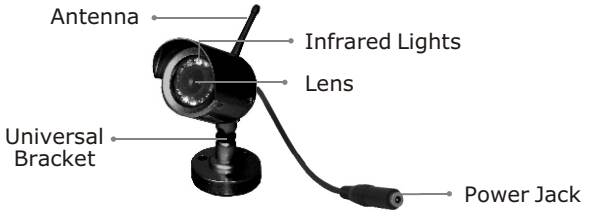
Connection Diagram



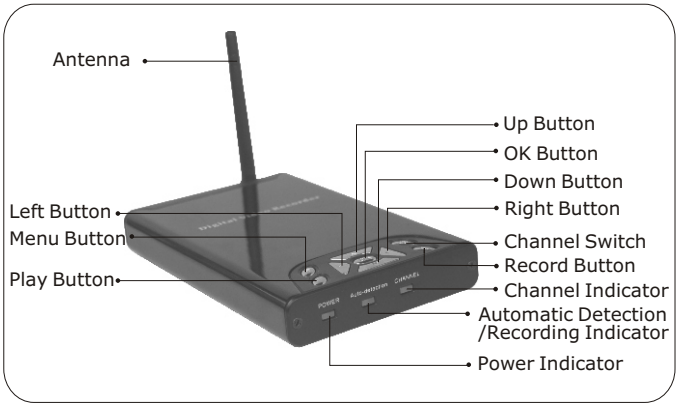
Structure

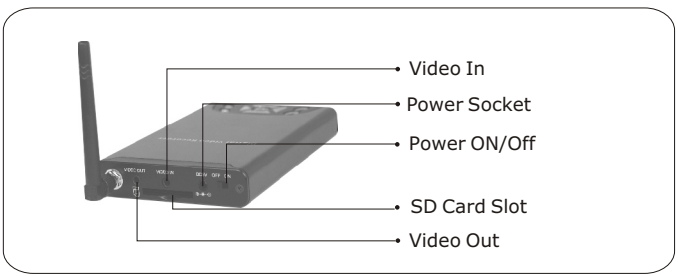
Camera

GP-812T



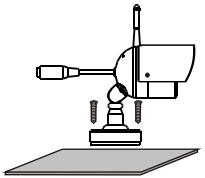
Receiver


Antenna
Up Button
OK Button
Down Button
Right Button
Left Button
Menu Button
Channel Switch
Record Button
Play Button
Channel Indicator
Automatic Detection
/Recording Indicator
Power Indicator

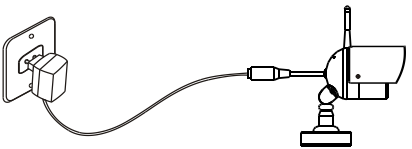

Video In
Power Socket
Power ON/Off
SD Card Slot
Video Out

Installation

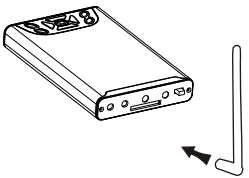
1. Locate the camera to a specific position and then adjust it to a suitable angle.



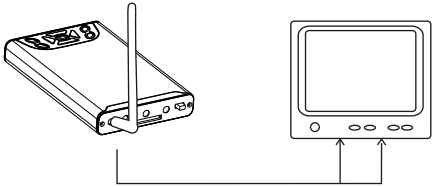
2. Connect the adapter to the camera.



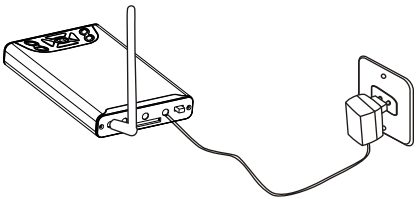
3. Connect the antenna to the receiver.



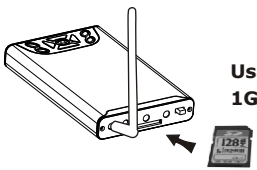
4. Connect the receiver to a monitor/TV with AV cable.



5. Connect the adapter for receiver to the receiver.



6. Please insert SD Card to SD Card Slot of receiver.



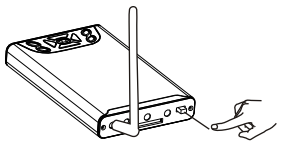
Usable capacity:32M-2G
1G-2G recommended

If the SD Card is inserted incorrectly or is not inserted, the monitor/TV will display " SD Card not plug in " , and only real-time monitoring is available at this time.

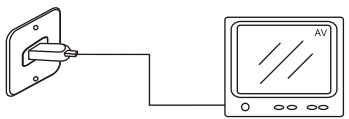
Notes :

* Make sure the protection switch on SD Card is turned on.
* Never touch the metal part of the SD Card with bare hands for static electricity of human body may cause permanent damage to the SD Card.
* Insert or pull out the SD Card only when the equipment is turned off.

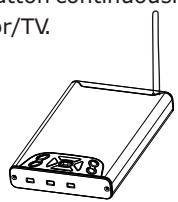
7. Push the power switch to ON position and the power indicator lights up.



8. Power on the monitor/TV and select AV mode.



9. Set the channel of receiver same as that of camera by pressing the channel button continuously, and image will be displayed on the monitor/TV.

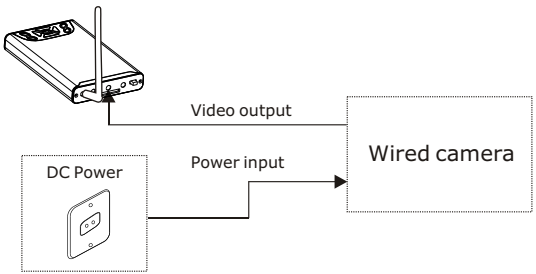


Press Channel Button continuously, the Channel Indicator lights up.If the Channel Indicator flashes once, the channel is channel 1. If the Channel Indicator flashes twice continuously, the channel is channel 2. If the Channel Indicator flashes three times continuously, the channel is channel 3. If the Channel Indicator flashes four times continuously, the channel is channel 4.

Note: The focus of the camera was set clearly as default.

10. Adjust the brightness, contrast and color of the monitor/TV for the perfect effect.

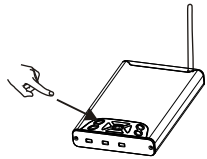
*** This receiver also has a video input for wired camera connection as follow:**



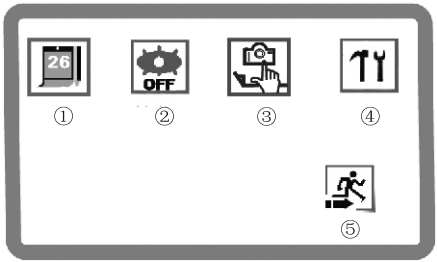
Receiver Operation

1. Menu Key Operation

You are recommended to press menu key to set before its first use.

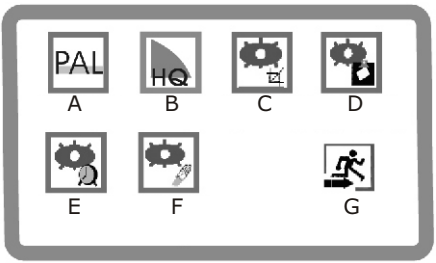


Monitor/AV displays picture as follows, Press <Left/Right> key to select and press OK key to enter setting.



① **Date/Time set up:** Press the <Left/Right> and <Up/Down> keys to set the date and time of the equipment.
② **Motion Detect ON/OFF set up:** Press OK key to change the setting. If you choose ON , the receiver can automatically record or capture photos when motion detected. If you choose OFF, the receiver is only in real-time monitoring status.
③ **Capture Format AV/Photo set up:** Press the OK key to change the setting. If you choose capture format AV, when motion detected, the receiver will automatically record videos. If you choose capture format Photo, when motion detected, the receiver will automatically capture photos.

④ **Advanced setup:** Picture displays as follows, Press <Left/Right> key to select and press OK key to enter setting.



A. TV setup: Press OK key to choose PAL or NTSC.
B. Quality setup: Press OK key to choose High or Low. High (high quality) is recommended.
C. Motion Detect Area setup: Press OK key to enter the detection area modification window, and press the Left or Right key to modify the value. After pressing OK key, the system enters detection location modification windows.
D. Motion Detect Count setup: Press OK key to select 1, 3 or 5 photos should be taken when motion detected. For example, if count 3 is selected, when motion detected, the receiver will capture 3 photos every interval time.
E. Motion Detect Interval setup: Press OK key to set the interval time 1, 3 or 5 seconds. For example, if 3 seconds is selected, when motion detected, photos will be captured every 3 seconds.
F. Motion Detect sensitivity setup: Press Up or Down key to modify the value and press OK key to exit.
G: Exit: Press OK key to return.

⑤ **Exit:** Press OK key to return.

2. Shortcut keys on monitoring /Motion Detection Mode

Monitor/TV window as following:

:the icon indicates that the SD Card is inserted;

: the icon indicates the motion detection function is on, if this function off, the icon will not display. Press **Up** key to enable/disable automatical motion detection.

/ :Shooting/Recording mode.Press **Down** key to switch between shooting and recording mode.

Press **Left/Right** key: setup the record time among 5-30 seconds.

Press **Record** key : Capture pictures or record manually.

3. Play mode

Press **Play** key to replay saved videos or pictures. Press **play** key again to enter the monitoring mode.

After entering replay mode, Press **Down** directly to play a latest video or picture.

After entering replay mode, Press **Left/Right** to select folder, and press **Down** to play.

After entering replay mode, Press **OK** key to enter/exit the folder selection window, there are six-lattice mode every interface,

Press L**eft/Right** key to select file named with date and time, press **Down** to play.

Press **Menu** key to delete a file after you select it. There are 4 icons for options.

Delete file	Delete all	Format	Exit

Delete file: Delete a single picture or video.

Delete all: Delete all pictures and videos.

Format: Format SD Card. **Exit:** Press to return.

SPECIFICATIONS

	Items	812BF
CAMERA	Imaging Sensor	CMOS
	Total Pixels	720×480 (NTSC); 720×576(PAL)
	Modulation Type	FM
	Transmission Frequency	ISM 2,400~2,483MHz
	Transmission Power	2mW/FCC,10wm/CE
	Minimum Illumination	0 Lux
	Night Vision range	7m
	Bandwidth	18MHz
	Power Supply	8V_{DC}
	Consumption Current(Max.)	160mA&250mA
	Dimensions(W x D x H)	45×78×83 (mm)
	Weight(about)	217 g
RECEIVER	Antenna	50 ohm SMA
	Intermediate Frequency	480MHz
	Transmission Frequency	ISM 2,400~2,483MHz
	Video Output Signal Level	1.1Vpp±0.1Vpp@75 ohm,
	Video Input Signal Level	1.1Vpp±0.1Vpp@50 ohm,
	Storage Media	SD Card
	SD Card memory(max.)	2G
	Received Sensitivity	≤-85dBm
	Consumption Current (Max.)	590mA
	Unobstructed Effective Range	100m
	Dimensions(W×D×H)	80 ×127×18(mm)
	Weight(About)	178g
	Power Supply Voltage	5V_{DC}
	Operating Temperature	-10°C~+50°C/+14°C~+122°C
	Operating Humidity(Max.)	85%RH

* Channel Frequency: CH1=2,414MHz; CH2=2,432MHz; CH3=2,450MHz; CH4=2,468MHz
* Actual transmission range may vary according to the weather, location, interference and building construction.
* All the specifications are subject to minor change without prior notice.

FCC INFORMATION

This device complies with part15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference,
(2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user s authority to operate the equipment.

CAUTIONS

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Turn off the Camera/Monitor if the system is not in use.
- The adapter is used as the disconnect device from the mains. The adapter shall remain readily operable.
- The Camera/Monitor can only be completely disconnected from the mains by unplug the adapter.
- Do not cut the DC power cable of the apparatus to fit with another power source.
- Attention should be drawn to the environment aspects of battery disposal.

EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

The graphics included are subject to minor change without notice.